

Anthracotheriid artiodactyl Anthracokeryx and an upper Eocene age for the Youganwo Formation of southern China

Averianov A., Obraztsova E., Danilov I., Jin J.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2017 Informa UK Limited, trading as Taylor & Francis Group The two recently collected mammalian dentary fragments from the Eocene Youganwo Formation of Guangdong Province, southern China, are referred to the anthracotheriid species *Anthracokeryx naduongensis* based on phylogenetic analysis and size comparison. One of these specimens (SYSU-M-1) is the first mammal fossil described from the Youganwo Formation. It was attributed previously to the perissodactyl genus *Lunania*. *Anthracokeryx naduongensis* was described originally from the lower upper Eocene Na Duong Formation in Northern Vietnam. The second record of this species supports a basal upper Eocene correlation for the Youganwo Formation, which was estimated previously as middle or late Eocene.

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Keywords

Anthracotheriidae, Artiodactyla, China, Eocene, Mammalia, Maoming